

Water Quality Update

Why is My Water Cloudy?

Those are millions of tiny air bubbles. They're harmless and not a health concern. Water in the Tucson Water distribution system is under pressure, causing any air present to be dissolved in the water until the pressure is released at the tap. If the amount of dissolved air is low, your water may appear to sparkle or have small bubbles. If there is a greater amount of dissolved air in your water, millions of very tiny bubbles will appear when the pressure is released, giving the water a cloudy or white, milky appearance. It may take several minutes for the air to escape and the water to clear from the bottom of the glass upward.

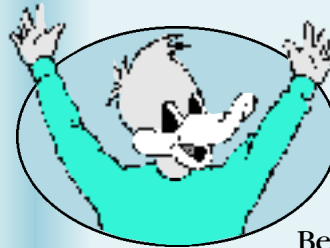
Dissolved air comes from Tucson Water's groundwater wells and may also enter the water distribution system during the pumping process. Air also can enter the system when a fire hydrant is opened or a water line break occurs.

Dissolved air in the water will not harm you or damage your plumbing or appliances. For more information about air in your water, visit Tucson Water's web site at www.cityoftucson.org/water or call 791-4331.

YOUR WATER Connection

News & Tips for Tucson Water Customers

Be Water Wise and the Water Table Will Rise



This summer, Tucson Water's conservation mascot, Pete the Beak, and his grandfather, Jebediah

Beak, are reminding

Tucson Water customers that being wise with water use will let our water table rise and help save the few riparian areas we have left.

Help Tucson Water keep groundwater wells shut down in the central city and give our water table a chance to recover from decades of over pumping.

Be water wise this summer! For more information, visit Tucson Water's web site - www.cityoftucson.org/water or call 791-4331.



Tucson Water Financial Plan Adopted by Mayor and Council

Tucson's Mayor and Council recently adopted Tucson Water's Financial Plan for 2002 - 2007. The plan calls for annual 4.3% increases in water sales revenues - no change from the preliminary plan reviewed by the Council in February.

In addition to funding increases in the Utility's operating budget and capital improvement program, the plan also calls for an increase in operating cash reserves from the current 5% to about 10% of annual water sales revenues.

Increasing costs of power and Colorado River water, as well as debt service on bonds approved by voters in 1994 and 2000, are important parts of the 5-year plan.

The Citizens Water Advisory Committee (CWAC) will develop recommendations on the proposed rate increase and how it will be distributed between different customer classifications. Assisting CWAC will be the Customer Rate Design Group - made up of customers from each rate classification. The Mayor and Council will receive the recommendations in August.

WIFA Financing To Save Tucson Water Customers \$1.4 Million

The Water Infrastructure Finance Authority of Arizona (WIFA) has approved a new \$8.3 million low-interest loan for Tucson Water projects. WIFA funding is used to finance improvements to the drinking water system that would normally be funded by selling water revenue bonds at market rates. The interest rate on the WIFA loan is estimated to be 3.75%, or 75% of the current market rate, saving Tucson Water ratepayers approximately \$1.4 million in interest payments over the life of the loan.

The current loan will finance five projects including water transmission mains, the new recharge basins at the Clearwater Renewable Resource Facility, a new reservoir and booster, and refurbishing at the Hayden-Udall Treatment Plant.

WIFA is an independent state agency that administers the Drinking Water Revolving Fund for community drinking water facility construction projects. Federal and state resources fund WIFA loans.

Visit the Tucson Water Web Site at <http://www.cityoftucson.org/water>

The Water Connection is produced by Tucson Water. To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210.



City of Tucson TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.



On the Water Front



The security of our water system is something we've always taken seriously at Tucson Water, but world developments

during the past months have made it critically important. Last fall, Tucson Water was selected as one of two water utilities nation-wide to participate in a U.S. Environmental Protection Agency (EPA) sponsored and funded vulnerability assessment. Sandia Laboratories, the same organization that assesses security at nuclear power plants and other power facilities, conducted the assessment.

That assessment study is now complete, and although I can't share the details of the final report, I can tell you that Tucson Water received high marks for our security program. Sandia also recommended some upgrades and changes that we are now in the process of completing. The procedures, precautions, training and equipment developed as part of this study will now be used to help other water providers throughout the country improve their security.

Congress recently approved funding to help water utilities assess vulnerability and develop emergency systems and response plans. Tucson Water is now way out in front of other water utilities. With our assessment

complete, we'll use our portion of the funding to enhance our security systems.

We're also in the process of improving our "Security Culture" at Tucson Water - making sure all our employees understand how important it is to be aware of security, alert to suspicious activity and ready to report such activity immediately.

As other water utilities across the United States learn from the studies done at Tucson Water, please be assured that your water supply is well protected and that we're working to make it even more secure.

David V. Modeer
Director, Tucson Water



Web News (www.cityoftucson.org/water)

Reclaimed Water Site Expanded

An expanded section about reclaimed water has been added to Tucson Water's website, offering extensive and up-to-date information about this valuable water resource. Reclaimed water is used for irrigation at about 400 locations throughout Tucson, including golf courses, parks, and schools. Tucson Water's reclaimed water system is one of the largest in the country. In 2001, using reclaimed water for irrigation saved about 3.4 billion gallons of drinking water - enough to serve 31,000 families for a year.

Clearwater Quality Report - June 2002

46*	Sodium (ppm)
270	Mineral Content (ppm)
91*	Hardness (ppm)
8.2	pH (units)
Neg*	Coliform Bacteria
0.98	Chlorine level average (ppm)
87.4	Temp (deg F)

** Values for May*

GROUNDWATER QUALITY REPORT - April 2002

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average Range	54 47-66	42 40-44	48 32-64	38 30-54	37 32-44	36 26-43	29 21-43	43 40-47	44 40-53	41 39-41	40 21-66
Mineral Content (ppm)	Average Range	403 195-573	277 217-310	325 199-480	251 182-367	253 168-306	249 202-284	228 173-292	331 273-446	254 218-390	221 218-225	273 168-573
Hardness (ppm)	Average Range	250 156-368	119 108-132	148 92-237	95 67-162	107 94-128	106 78-123	111 83-138	168 145-253	91 75-125	79 76-81	120 67-368
pH (units)	Average Range	7.5 7.3-8.0	7.9 7.5-8.1	7.8 7.5-8.0	7.8 7.3-8.1	7.7 7.2-8.0	7.9 7.3-8.2	7.8 7.6-8.0	7.6 7.4-7.8	8.0 7.6-8.2	7.9 7.8-8.0	7.8 7.2-8.2
Temperature (deg F)	Average Range	78 74-83	80 77-83	78 73-84	83 77-86	80 73-87	79 71-83	79 75-82	81 76-84	84 78-87	82 77-87	80 71-87

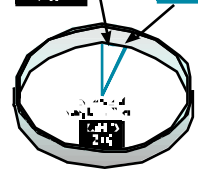
COLIFORM BACTERIA TESTING RESULTS - April 2002

Groundwater Quality Report

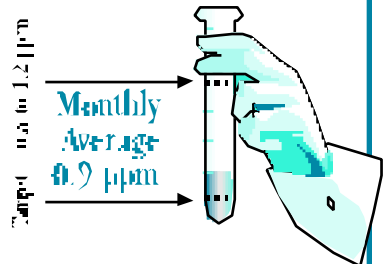


TPH Standard for Positive Samples: 0%

Number of Positive Samples for Total Coliform: 0/0%



Chlorine Level Average



“PPM” means one part per million & is about the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10 zones

based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.

